From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)

(PCT Rules 44bis.3(c) and 72.2)

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SEP - 7 2006

Date of mailing (day/month/year)
31 August 2006 (31.08.2006)

Applicant's or agent's file reference
FP-1299PCT
PH-2666-PCT

International application No.
PCT/JP2004/019245

Applicant

TOKYO GAS CO., LTD. et al

1.	Transmittal	of the	translation	to the	applicant.
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The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). Sec Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference FP-1299PCT	FOR FURTHER ACTION	Sec item 4 below		
International application No. PCT/JP2004/019245	International filing date (day/month/year) 22 December 2004 (22.12.2004)	Priority date (day/month/year) 26 December 2003 (26.12.2003)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant TOKYO GAS CO., LTD.				

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis. 1(a).			
2.	This REPORT consists of a total of 5 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.			
3.	This report contains indications	relating to the following items:		
	Box No. I	Basis of the report		
	Box No. II	Priority		
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability		
	Box No. IV	Lack of unity of invention		
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
	Box No. VI	Certain documents cited		
	Box No. VII	Certain defects in the international application		
	Box No. VIII	Certain observations on the international application		
4.	The International Bureau will cont, except where the applicant date (Rule 44bis .2).	communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but makes an express request under Article 23(2), before the expiration of 30 months from the priority		

Date of issuance of this report
22 August 2006 (22.08.2006)

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

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Date of issuance of this report
22 August 2006 (22.08.2006)

Authorized officer

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PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION FP-1299PCT See paragraph 2 below International filing date (day/month/year) International application No. Priority date (day/month/year) PCT/JP2004/019245 22.12.2004 26.12.2003 International Patent Classification (IPC) or both national classification and IPC **Applicant** TOKYO GAS CO., LTD. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability: citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** 2. If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/JP Authorized officer Facsimile No. -Telephone No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTIIORITY

International application No.

PCT/JP2004/019245

Box	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language
	-	. which is the language of a translation furnished for the purposes of international search (under
		Rule 12.3 and 23.1(b)).
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed attion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addi	tional comments:
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}		
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/019245

Box N	o. IV Lack of unity of invention
1.	In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:
	paid additional fees
:	paid additional fees under protest
	not paid additional fees
2.	This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.
3.	This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
[complied with
	not complied with for the following reasons:
	The inventions of claims 1-13 relate to a device for determining the kind of a liquid in a container, comprising a heat source disposed outside of the container, and a temperature censor for converting temperature of a container exterior wall into a voltage or current. The inventions of claims 14-34 relate to a device for determining the kind of a liquid in a container, comprising a bendable film that is in contact with the container, a temperature censor provided on the film, and a heat source provided on the film.
,	
4.	Consequently, this opinion has been established in respect of the following parts of the international application:
	all parts
	the parts relating to claims Nos.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/019245

Box			le 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; oporting such statement	
1.	Statement			
	Novelty (N)	Claims	1-34	YES
		Claims		. NO
	Inventive step (IS)	Claims	1-34	YES
	•	Claims		NO
	Industrial applicability (IA	Claims	1-34	YES
		Claims	· · · · · · · · · · · · · · · · · · ·	NO
2.	Citations and explanations:			

Claims 1-34

Document 1: JP 10-325815 A (Toyota Motor Corporation), 08 December 1998, full text, all drawings

Document 2: JP 2000-186815 A (K.K. Noritsu), 04 July 2000, full text, all drawings Document 3: JP 2002-214020 A (Erumekku Denshi K.K.), 31 July 2002, full text, all drawings

Document 4: JP 2002-277416 A (Sumitomo Chemical Company, Limited), 25 September 2002, full text, all drawings

Document 5: JP 2002-543385 A

(Lattice Intellectual Property Limited), 17 December 2002, full text, all drawings Document 6: JP 11-51953 A (Tokyo Gas Co., Ltd.), 26 February 1999, full text, all drawings

Documents 1-6 indicate the general state of the art relating to a device for determining the kind of a liquid in a container; however a device for determining the kind of a liquid in a container comprising a heat source disposed outside of the container, and a temperature censor for converting temperature of a container exterior wall into a voltage or current, and a device for determining the kind of a liquid in a container comprising a bendable film that is in contact with the container, a temperature censor provided on the film, and a heat source provided on the film are neither described nor suggested in any of the documents listed in the ISR.